

Title (en)
SWITCH DEVICE

Title (de)
SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF COMMUTATEUR

Publication
EP 2955735 A4 20161019 (EN)

Application
EP 13873847 A 20131211

Priority
• JP 2013019361 A 20130204
• JP 2013083155 W 20131211

Abstract (en)
[origin: EP2955735A1] Provided is a switch device with high operation reliability in which an opening-closing contact portion is not erroneously opened or closed even when an external impact is applied. A switch unit, which is configured to be separable from an operation unit, is provided with a rotary drive plate, which rotates between a standby position and a usage position, drives an opening-closing contact mechanism of the switch unit in the standby position to assume an opening-closing state at the time the operation unit is at an operation position, and drives the opening-closing contact mechanism in the usage position to assume an opening-closing state at the time the operation unit is at a standby position. The operation unit is provided with an engagement portion that is engaged with the rotary drive plate when the operation unit is joined and attached to the switch unit and rotary-drives the rotary drive plate from the standby position to the usage position. The opening-closing contact mechanism is set to a predetermined opening-closing state by detaching/attaching the operation unit from/to the switch unit.

IPC 8 full level
H01H 13/20 (2006.01); **H01H 3/02** (2006.01)

CPC (source: CN EP US)
H01H 3/022 (2013.01 - CN EP US); **H01H 13/14** (2013.01 - EP US); **H01H 13/62** (2013.01 - CN EP US); **H01H 25/008** (2013.01 - US); **H01H 13/14** (2013.01 - CN); **H01H 2003/0246** (2013.01 - CN EP US); **H01H 2221/01** (2013.01 - US); **H01H 2221/036** (2013.01 - US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2014119140A1

Cited by
EP3940732A1; EP3340263A1; CN107342181A; FR3077418A1; GB2571829A; GB2571829B; EP3387662A4; US10692666B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2955735 A1 20151216; EP 2955735 A4 20161019; EP 2955735 B1 20171122; CN 105074859 A 20151118; CN 105074859 B 20170620; CN 107248460 A 20171013; CN 107248460 B 20190924; EP 3217414 A1 20170913; EP 3217414 B1 20200923; JP 5926410 B2 20160525; JP WO2014119140 A1 20170126; US 10068729 B2 20180904; US 2015340178 A1 20151126; US 2017213672 A1 20170727; US 9653235 B2 20170516; WO 2014119140 A1 20140807

DOCDB simple family (application)
EP 13873847 A 20131211; CN 201380071741 A 20131211; CN 201710199455 A 20131211; EP 17164697 A 20131211; JP 2013083155 W 20131211; JP 2014559513 A 20131211; US 201514815274 A 20150731; US 201715481070 A 20170406